

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 2000174701
PUBLICATION DATE : 23-06-00

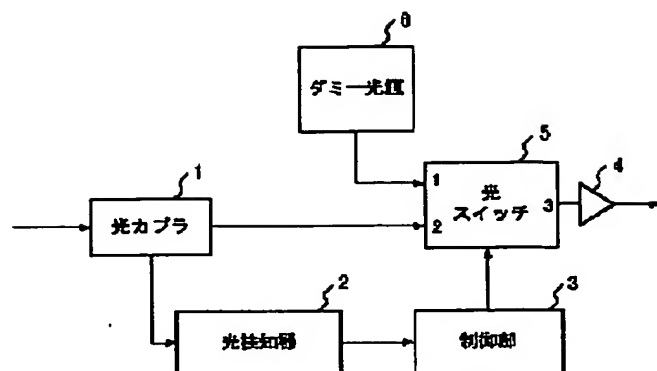
APPLICATION DATE : 04-12-98
APPLICATION NUMBER : 10345884

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INT.CL. : H04B 10/02 H04B 1/74 H04J 14/00
H04J 14/02

TITLE : OPTICAL SWITCHING CIRCUIT



ABSTRACT : PROBLEM TO BE SOLVED: To prevent the reception of another wavelength channel from being affected by keeping the output power of multiple signal light constant until recovering a certain channel even when that channel is disconnected by controlling an optical switch corresponding to the level of signal light.

SOLUTION: When an optical signal is disconnected by the fault of an optical transmitter or the like and a photodetector 2 detects the signal disconnection of signal light from light split by a photocoupler 1, a signal corresponding to the disconnection is reported to a control part 3. When the signal disconnection is judged, at the control part 3, a switching signal is sent to an optical switch 5. According to the switching signal, at the optical switch 5, the connection of ports 2 and 3 is switched to the connection of ports 1 and 3. As a result, in place of the disconnected optical signal, the dummy light of the same wavelength and the same level as the optical signal is outputted from the optical switch 5. Namely, on the output side of an optical switching circuit for WDM, even when signal light is disconnected, the output power of the same level as the optical signal can be outputted.

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